

GenCore version 4.5
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OM protein - protein search, using sw mode

Run on: March 1, 2001, 16:10:06 ; Search time 27.76 Seconds
 {without alignments} 42.693 Million cell updates/sec

Title: US-09-331-631A-24_COPY_29_94
 Perfect score: 382
 Sequence: 1 HEDDEDRRGHSLQOCVQRC.....EQEEFQGRGROWHGCGERE
 Scoring table: BLOSUM62
 Gapext 10.0 , Gapext 0.5

Searched: 174772 seqs, 17957048 residues

Total number of hits satisfying chosen parameters: 174772

Minimum DB seq length: 0
 Maximum DB seq length: 2000000000

Post processing: Minimum Match 0%

Maximum Match 100%
 Listing first 45 summaries .

Database : Issued Patents AA:*

- 1: /cgm2_6/ptodata/2/iaa/5A_COMB.pep:*
- 2: /cgm2_6/ptodata/2/iaa/5C_COMB.pep:*
- 3: /cgm2_6/ptodata/2/iaa/6_COMB.pep:*
- 4: /cgm2_6/ptodata/2/iaa/PCUTS_COMB.pep:*
- 5: /cgm2_6/ptodata/2/iaa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query	Length	DB ID	Description
1	86	22.5	587	1 US-07-955-905A-23	Sequence 23, Appl
2	73	19.1	605	1 US-07-955-905A-24	Sequence 24, Appl
3	72	18.8	566	1 US-07-955-905A-2	Sequence 2, Appl
4	72	18.8	566	1 US-07-955-905A-22	Sequence 22, Appl
5	69	18.1	1162	2 US-08-728-323A-2	Sequence 2, Appl
6	65.5	17.1	1898	2 US-08-800-644-94	Sequence 94, Appl
7	65.5	17.1	1898	2 US-08-800-644-94	Sequence 6, Appl
8	65	17.0	888	2 US-03-861-464-6	Sequence 6, Appl
9	65	17.0	888	2 US-03-861-464-6	Sequence 6, Appl
10	64.5	16.9	242	2 US-08-845-998-2	Sequence 2, Appl
11	64.5	16.9	242	3 US-07-206-537-2	Sequence 2, Appl
12	63.5	16.5	575	2 US-08-922-865-2	Sequence 86, Appl
13	61	16.0	1007	3 US-08-851-843A-86	Sequence 187, Appl
14	61	16.0	1007	3 US-08-974-549A-187	Sequence 110, Appl
15	61	16.0	1031	3 US-08-974-549A-110	Sequence 5, Appl
16	61	16.0	1031	3 US-08-974-549A-110	Sequence 5, Appl
17	58.5	15.3	610	2 US-08-724-394A-5	Sequence 20, Appl
18	58	15.2	545	3 US-08-935-895-20	Sequence 2, Appl
19	58	15.1	1105	2 US-08-710-249-2	Sequence 3, Appl
20	57.5	15.1	184	1 US-08-453-924-3	Sequence 3, Appl
21	57.5	15.1	434	1 US-08-377-602-3	Sequence 3, Appl
22	57.5	15.1	434	3 US-08-558-135-3	Sequence 3, Appl
23	57.5	15.1	591	3 US-08-965-903B-2	Sequence 2, Appl
24	57.5	15.1	237	1 US-08-455-543A-48	Sequence 48, Appl
25	57.5	15.1	237	2 US-08-223-305C-48	Sequence 24, Application US/07955905A
26	57.5	15.1	2337	3 US-08-717-118-2	Patent No. 5770433
27	57.5	15.1	2337	3 US-09-452-007-2	GENERAL INFORMATION:
28	57.5	15.1	2339	1 US-08-455-543A-47	GENERAL INFORMATION:

ALIGNMENTS

RESULT 1
 US-07-955-905A-23
 ; Sequence 23, Application US/07955905A
 ; Patent No. 5770433

GENERAL INFORMATION:

APPLICANT: RECOMBINANT 47 AND 31 KD COCOA PROTEINS AND
 NUMBER OF SEQUENCES: 28

COMPUTER READABLE FORM:
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/07/955,905A
 FILING DATE: 21-JAN-1993
 CLASSIFICATION: 435

INFORMATION FOR SEQ ID NO: 23:

SEQUENCE CHARACTERISTICS:
 LENGTH: 587 amino acids
 TYPE: amino acid

TOPOLOGY: linear
 MOLECULE TYPE: protein

ORIGINAL SOURCE:
 ORGANISM: Gossypium hirsutum

FEATURE:
 NAME/KEY: Protein
 LOCATION: 1..587
 OTHER INFORMATION: /note= "Vicilin from G. hirsutum"
 US-07-955-905A-23

Query Match 22.5%; Score 86; DB 1; Length 587;
 Best Local Similarity 31.2%; Pid: No. 0.015; Gaps 2;
 Matches 20; Conservative 12; Mismatches 30; Indels 2; Gaps 2;

QY	3 DEDDRRGHSLQOCVQRCRPRVSH ARCVQECRDDQQH GRHEQEFOGRGRGWHG 60
Db	113 EQEQQQSQRFQEQCQHQCHQEQPERKQOCVABCRERRYQENPWRERRAEETEG 172
QY	61 EGER 64
Db	173 EQEQ 176

RESULT 2
 US-07-955-905A-24
 ; Sequence 24, Application US/07955905A

GENERAL INFORMATION:

APPLICATION: RECOMBINANT 47 AND 31 KD COCOA PROTEINS AND
 TITLE OF INVENTION: PRECURSOR
 NUMBER OF SEQUENCES: 28
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/07/955, 905A
 FILING DATE: 21-JAN-1993
 CLASSIFICATION: 435
 INFORMATION FOR SEQ ID NO: 24:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 605 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 ORIGINAL SOURCE: Glycine max
 FEATURE:
 NAME/KEY: Protein
 LOCATION: 1..605
 OTHER INFORMATION: /note= "Vicilin from G. max."
 7-955-905A-24

RESULT 4
 US-07-955-905A-22
 ; Sequence 22, Application US/07955905A
 ; Patent No. 577033
 ; GENERAL INFORMATION:
 ; APPLICANT:
 ; TITLE OF INVENTION: RECOMBINANT 47 AND 31 KD COCOA PROTEINS AND
 ; TITLE OF INVENTION: PRECURSOR
 ; NUMBER OF SEQUENCES: 28
 ; COMPUTER READABLE FORM:
 ; MEDIAN TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/07/955, 905A
 ; FILING DATE: 21-JAN-1993
 ; CLASSIFICATION: 435
 ; INFORMATION FOR SEQ ID NO: 22:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 566 amino acids
 ; TYPE: amino acid
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 ; ORIGINAL SOURCE:
 ; ORGANISM: Theobroma cacao
 ; FEATURE:
 ; NAME/KEY: Protein
 ; LOCATION: 1..566
 ; OTHER INFORMATION: /note= "67 kd Precursor protein"
 US-07-955-905A-22

QUIT 3
 7-955-905A-2
 Sequence 2, Application US/07955905A
 Patent No. 577033
 GENERAL INFORMATION:
 COMPUTER READABLE FORM:
 TITLE OF INVENTION: RECOMBINANT 47 AND 31 KD COCOA PROTEINS AND
 NUMBER OF SEQUENCES: 28
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/07/955, 905A
 FILING DATE: 21-JAN-1993
 CLASSIFICATION: 435
 INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 566 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 7-955-905A-2

RESULT 5
 US-08-728-323A-2
 ; Sequence 2, Application US/08728323A
 ; Patent No. 5948676
 ; GENERAL INFORMATION:
 ; APPLICANT: Chang, Yuan
 ; APPLICANT: Bohmenczyk, Roy A.
 ; APPLICANT: Russo, James J.
 ; APPLICANT: Edelman, Isidore S.
 ; APPLICANT: Moore, Patrick S.
 ; TITLE OF INVENTION: Immediate Early Protein From Kaposi's
 ; Sarcoma-Associated Herpesvirus, DNA
 ; TITLE OF INVENTION: RECOMBINANT 47 AND 31 KD COCOA PROTEINS AND
 ; PRECURSOR
 ; NUMBER OF SEQUENCES: 28
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/07/955, 905A
 ; FILING DATE: 21-JAN-1993
 ; CLASSIFICATION: 435
 ; INFORMATION FOR SEQ ID NO: 24:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 605 amino acids
 ; TYPE: amino acid
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 ; ORIGINAL SOURCE: Glycine max
 ; FEATURE:
 ; NAME/KEY: Protein
 ; LOCATION: 1..605
 ; OTHER INFORMATION: /note= "Vicilin from G. max."
 7-955-905A-24

Query Match 18.8%; Score 72; DB 1; Length 566;
 Best Local Similarity 28.6%; Pred. No. 0.64;
 Matches 22; Conservative 8; Mismatches 23; Indels 24; Gaps 0
 QY 14 QOCVORQRERPRYSH---ARCVOQEC--RDOQQHQHREHQ-----EEEOG 53

ZIP: 02210

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/845, 998
 FILING DATE:
 ATTORNEY/AGENT INFORMATION:
 NAME: Van Amsterdam, John R.
 REGISTRATION NUMBER: 40-212
 REFERENCE/DOCKET NUMBER: L0461/7008
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (617)720-3500
 TELEFAX: (617)720-2441

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:
 LENGTH: 242 amino acids

SEQUENCE CHARACTERISTICS:
 LENGTH: 242 amino acids

TOPOLogy: linear

MOLECULE TYPE: protein

US-08-845-998-2

RESULT 11

Query Match 16.9%; Score 64.5; DB 2; length 242;
 Best Local Similarity 25.4%; Pred. No. 1.9; Matches 17; Conservative 17; Mismatches 20; Indels 13; Gaps 2;

Sequence 2, Application US/09206537
 ; Sequence 1, Application US/09206537
 ; Patent No. 6130052

GENERAL INFORMATION:

APPLICANT: Van Baren, Nicolas

APPLICANT: Coulie, Pierre G.

APPLICANT: D' Smet, Charles

APPLICANT: Lucas, Sophie

APPLICANT: Boon, Thierry

TITLE OF INVENTION: LEUKEMIA ASSOCIATED GENES

NUMBER OF SEQUENCES: 16

CORRESPONDENCE ADDRESS:

ADDRESSEE: Wolf, Greenfield & Sacks, P.C.

STREET: 600 Atlantic Avenue

CITY: Boston

STATE: MA

ZIP: 02210

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30 (EPO)

FILING DATE:

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:
 LENGTH: 575 amino acids

TOPOLogy: linear

MOLECULE TYPE: protein

US-08-922-865-2

RESULT 12

Query Match 16.9%; Score 64.5; DB 3; length 242;
 Best Local Similarity 25.4%; Pred. No. 1.9; Matches 17; Conservative 17; Mismatches 20; Indels 13; Gaps 2;

Sequence 2, Application US/08922865
 ; Sequence 1, Application US/08922865
 ; Patent No. 6090816

GENERAL INFORMATION:

APPLICANT:

TITLE OF INVENTION: MICROORGANISM, LACTAMASE ENZYME OBTAINED THEREFROM, AND THEIR USE

NUMBER OF SEQUENCES: 2

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30 (EPO)

FILING DATE:

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:
 LENGTH: 575 amino acids

TOPOLogy: linear

MOLECULE TYPE: protein

US-08-922-865-2

RESULT 13

Query Match 16.9%; Score 64.5; DB 3; length 242;
 Best Local Similarity 25.4%; Pred. No. 1.9; Matches 17; Conservative 17; Mismatches 20; Indels 13; Gaps 2;

Sequence 2, Application US/08922865
 ; Sequence 1, Application US/08922865
 ; Patent No. 6090816

GENERAL INFORMATION:

APPLICANT:

TITLE OF INVENTION: MICROORGANISM, LACTAMASE ENZYME OBTAINED THEREFROM, AND THEIR USE

NUMBER OF SEQUENCES: 2

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30 (EPO)

FILING DATE:

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:
 LENGTH: 575 amino acids

TOPOLogy: linear

MOLECULE TYPE: protein

US-08-922-865-2

RESULT 14

Query Match 16.6%; Score 63.5; DB 3; length 575;
 Best Local Similarity 32.8%; Pred. No. 6.4; Matches 19; Conservative 19; Mismatches 5; Indels 13; Gaps 3;

Sequence 2, Application US/08851843A
 ; Sequence 1, Application US/08851843A
 ; Patent No. 6093809

GENERAL INFORMATION:

APPLICANT: Cech, Thomas R.

APPLICANT: Lingner, Joachim

APPLICANT: Nakamura, Toru

APPLICANT: Chapman, Karen B.

APPLICANT: Morin, Gregg B.

APPLICANT: Harley, Calvin H.

APPLICANT: Andrews, William H.

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/845, 998

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/206, 537

FILING DATE:

CLASSIFICATION:

NUMBER OF INVENTIONS: No. 225
 TITLE OF INVENTION: No. 225 6093809el Telomerase
 NUMBER OF SEQUENCES: 225
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Townsend and Townsend and Crew LLP
 STREET: Two Embarcadero Center, 8th Floor
 CITY: San Francisco
 STATE: California
 COUNTRY: United States of America
 ZIP: 94111
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/851,843A
 FILING DATE: 06-MAY-1997
 CLASSIFICATION:
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: -US 08/845,017
 FILING DATE: 25-APR-1997
 CLASSIFICATION:
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: -US 08/844,419
 FILING DATE: 18-APR-1997
 CLASSIFICATION:
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/724,643
 REFERENCE/DOCKET NUMBER: 015389-002930US
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (415) 576-0200
 TELEFAX: (415) 576-0300
 INFORMATION FOR SEQ ID NO: 86:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1007 amino acids
 TYPE: amino acid
 STRANDEDNESS:
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 NAME: Apple, Randolph T.
 REGISTRATION NUMBER: 36,429
 REFERENCE/DOCKET NUMBER: 015389-002930US
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (415) 576-0200
 TELEFAX: (415) 576-0300
 INFORMATION FOR SEQ ID NO: 187:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1007 amino acids
 TYPE: amino acid
 STRANDEDNESS:
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 LT 14 ;
 8-851-843A-86 ;
 8-974-549A-187 ;
 quence 187, Application US/08974549A
 tent No. 6166178 ;
 GENERAL INFORMATION:
 APPLICANT: Cech, Thomas R.
 APPLICANT: Lingner, Joachim
 APPLICANT: Nakamura, Toru
 APPLICANT: Chapman, Karen B.
 APPLICANT: Morin, Gregg B.
 APPLICANT: Harley, Calvin B.
 APPLICANT: Andrews, William R.
 TITLE OF INVENTION: Human Telomerase Catalytic Subunit
 NUMBER OF SEQUENCES: 727 ;
 CORRESPONDENCE ADDRESS:
 ADDRESS: Townsend and Townsend and Crew LLP
 STREET: Two Embarcadero Center, Eighth Floor
 RESULT 15
 US-08-851-843A-2
 ; Sequence 2, Application US/08851843A
 ; Patent No. 6093809

GENERAL INFORMATION:
 APPLICANT: Cech, Thomas R.
 APPLICANT: Lingner, Joachim
 APPLICANT: Nakamura, Toru
 APPLICANT: Chapman, Karen B.
 APPLICANT: Morin, Gregg B.
 APPLICANT: Harley, Calvin
 APPLICANT: Andrews, William H.
 TITLE OF INVENTION: No. 6093809el Telomerase
 NUMBER OF SEQUENCES: 225
 CORRESPONDENCE ADDRESS:
 ADDRESS: Townsend and Townsend and Crew LLP
 STREET: Two Embarcadero Center, 8th Floor
 CITY: San Francisco
 STATE: California
 COUNTRY: United States of America
 ZIP: 94111
 COMPUTER READABLE FORM:
 MEDIUM TYPE: FLOPPY disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/851,843A
 FILING DATE: 06-MAY-1997
 CLASSIFICATION:
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/846,017
 FILING DATE: 18-APR-1997
 CLASSIFICATION:
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/724,643
 FILING DATE: 01-OCT-1996
 CLASSIFICATION:
 ATTORNEY/AGENT INFORMATION:
 NAME: Apple, Randolph T.
 REFERENCE/DOCKET NUMBER: 36,429
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (415) 576-0200
 TELEFAX: (415) 576-0300
 INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1031 amino acids
 TYPE: amino acid
 STRANDEDNESS: not relevant
 TOPOLOGY: not relevant
 MOLECULE TYPE: protein
 ; US-08-851-843A-2

Query Match 16.0%; Score 61; DB 3; Length 1031;
 Best Local Similarity 28.6%; Pred. No. 24;
 Matches 12; Conservative 9; Mismatches 21; Indels 0; Gaps 0;

Qy	2	DDDEDRRGHSLQQCVCQRQRERRYSHARCVQCRDDQQH	43
Db	6	DNQADNHGTHSALKNCERIKEAKTLYSWIOKVIRCRNOSQSH	47

Search completed: March 1, 2001, 16:10:08
 Job time: 121.1 sec

